

Abhishek Kumar

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Dynamic and innovative Computer Science Engineer with more than one year of experience in the AI field and a strong background in Python, Machine Learning, and AWS Cloud Services. Proven expertise in NLP, ML, DL and MLOps, with a track record of successful project management and deployment.

EXPERIENCE

iNeuron Intelligence Pvt Ltd

Data Science Intern

Developing a Travel Package Purchase project and objective is to predict whether a customer will purchase a travel package or not. Dat pre-processing approach has been adapted and various algorithms have been evaluated to determine the best fit for predicting travel package purchases, ensuring accurate and actionable insights for tourism organizations.

Rapyder Cloud solutions

AI/ML Trainee

Developed a reusable MLOps framework for scalable, cost-efficient machine learning lifecycle management using AWS services like SageMaker and AWS storage that reduce human effort more than **40%**. Demonstrated expertise in the end-to-end SageMaker platform, including Data Wrangler, Feature Store, Model Deployment, and SageMaker Pipelines. Pioneered multiple AWS-based POCs with S3, DynamoDB, and Lambda to SageMaker, accelerating product development. Leveraged AWS Ground Truth for efficient data labeling in deep learning projects, setting new standards in data handling and machine learning application.

Data Trained Pvt. Ltd

Data Science Intern

As a Data Science intern, evaluated and contributed to over 10 machine learning projects, including Insurance Claims Fraud Detection, Loan Application Status Prediction, and Customer Churn Analysis. Gained hands-on experience in data preprocessing, model training, selection, prediction, and deployment. Developed expertise in data validation using EDA/ETL techniques, including measures of central tendency, dispersion, quartiles/percentiles, standardization, and data visualization.

[Exp Certificate](#)

February 2024 - Present

[Internship Letter](#)

Bengaluru, India

December 2022 - May 2023

Remote

Aug 2021 - Aug 2022

PERSONAL PROJECTS

- **Thyroid Disease Detection [project](#) (Machine Learning)** - Developed a machine learning model with over **90%** accuracy to predict thyroid disease, employing preprocessing techniques such as feature scaling, feature engineering, and standardization to structure and maintain the dataset. Aimed to integrate the prediction model into a web application for easy and accessible diagnostics.
- **Chest Cancer Classification [Project](#) (Deep learning - MLFLOW- DVC - AWS)** - Developed an end-to-end chest cancer classification system using deep learning, integrated with MLflow and DVC for efficient experiment tracking and version control. The project involves preprocessing data, training models, and deploying the solution on AWS using CI/CD pipelines with GitHub Actions. Implemented MLflow for tracking model performance and DVC for managing data and pipeline orchestration, ensuring a scalable and reproducible workflow. Achieved accuracy of more than **85%** and deployed on aws cloud platform.

EDUCATION

IGNOU, New Delhi

Post graduate Diploma in Applied Statistics(PGDAST)

Pursuing - 2024

Bharath University, Chennai

Bachelor of Technology(B.Tech) Computer Science and Engineering

2018 - 2022

CGPA: 9.01

SKILLS

- **Programming Languages:** Python(Advanced), R(Intermediate), SQL(Intermediate), C++
- **Libraries and Frameworks:** Scikit-learn, TensorFlow, Keras, NumPy, Pandas, Matplotlib, Seaborn, Dplyr
- **Machine Learning:** Supervised and Unsupervised Learning, ANN, CNN, Transfer Learning, Computer Vision
- **NLP:** Classification, Summarization, Transformers (BERT, RNN, LSTM)
- **Cloud Computing:** AWS (Sagemaker, S3, EC2, Lambda, IAM)
- **Generative AI:** GANs, GPT, LLaMA, RAG
- **Data Analysis & Visualisation:** Excel, Exploratory Data Analysis (EDA), **Visualization**(Matplotlib, Seaborn and ggplot2)